Appl. No. 09/615,383
Amdt. dated September 6, 2005
Reply to Office Action of June 7, 2005

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Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

1   1.   (Currently Amended) A method for updating a configuration page on a

2   user side of an Internet-based configuration system without having to contact a server side of the

3   configuration system, the method comprising:

4   receiving the configuration page from the server side along with delta

5   configuration information associated with the configuration page, the delta configuration

6   information including update information usable to update the configuration page with one or

7   more changes without having to contact the server side of the configuration system;

8   responsive to the user side receiving a user input that is associated with delta

9   configuration page information available at the user side after receiving the delta configuration

10   information and the configuration page, retrieving the delta configuration page information

11   without having to contact the server side of the configuration system; and

12   updating the configuration page with a change included in the update information

13   of based on the delta configuration page information, wherein the configuration page is updated

14   without having to contact the server side of the configuration system after receiving the delta

15   configuration information and the configuration page.

1   2.   (Original) The method of claim 1, wherein the delta configuration page

2   information is comprised of a control delta that represents changes in a control of the

3   configuration page as a result of the user input.

1   3.   (Original) The method of claim 1, wherein the delta configuration page

2   information embodies preprocessed configuration engine computations that are responsive to the

3   user input.

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1   4.   (Original) The method of claim 1, wherein the updating step further

2 comprises:

3   layering the delta configuration page information that is associated with the user

4 input into the configuration page via Dynamic HTML.

1   5.   (Original) The method of claim 1, wherein the updating step is performed

2 by a process that is embedded in the configuration page.

1   6.   (Original) The method of claim 1, wherein the delta page information is

2 embedded in the configuration page.

1   7.   (Currently Amended) A method for transmitting product configuration

2 information generated by a server side of an Internet-based configuration system to a user side of

3 the configuration system, the method comprising:

4   generating a configuration page that allows a user to provide a user input to the

5 configuration system;

6   associating delta configuration page information with the configuration page, the

7 delta configuration information including update information usable by the user side to update

8 the configuration page with one or more changes; and

9   transmitting the configuration page along with the delta configuration page

10 information to the user side from the server side, wherein the delta configuration information

11 allows the user side to update the configuration page, responsive to the user input, with a change

12 included in the update information of the delta configuration page information without having to

13 contact the server side of the configuration system after receiving the delta configuration

14 information and the configuration page.

1   8.   (Original) The method of claim 7, wherein the associating step is

2 performed as part of the generating step.

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1   9.   (Original) The method of claim 7, wherein the delta configuration page

2 information is contained in a look-up table and the associating step further comprises:

3   organizing the delta configuration page information within the look-up table

4 pursuant to an indexing scheme; and

5   embedding the look-up table in the configuration page.

1   10.   (Original) The method of claim 7, wherein the delta configuration page

2 information is indexed according to specific user inputs that can be provided from the

3 configuration page, each specific user input being related to a portion of the delta configuration

4 page information.

1   11.   (Original) The method of claim 7, wherein the delta configuration page

2 information is comprised of a control delta that represents changes in a control of the

3 configuration page as a result of the user input.

1   12.   (Original) The method of claim 7, wherein the delta configuration page

2 information embodies preprocessed configuration engine computations that are responsive to the

3 user input.

1   13.   (Original) The method of claim 7 further comprising:

2   transmitting a process for updating the configuration page with the delta

3 configuration page information to the user side from the server side.

1   14.   (Currently Amended) A method for receiving over the Internet product

2 configuration information generated by an Internet-based configuration system, the method

3 comprising:

4   responsive to receiving a user input that is not associated with locally available

5 delta configuration page information, requesting a new configuration page; ~~and~~

6   receiving the new configuration page along with delta configuration page

7 information that is associated with the new configuration page;

8   responsive to the user side receiving a user input that is associated with delta

9   configuration page information available at the user side after receiving the delta configuration

10   information and the configuration page, retrieving the delta configuration page information

11   without having to contact the server side of the configuration system; and

12   updating the configuration page with a change included in the update information

13   of the delta configuration page information, wherein the configuration page is updated without

14   having to contact the server side of the configuration system after receiving the delta

15   configuration information and the configuration page.

1   15.   (Original) The method of claim 14, wherein in response to receiving a

2   ~~particular~~the user input, update information for the change in the delta configuration page

3   information is combined with the configuration page thereby defining a new configuration page

4   that is responsive to the ~~particular~~ user input.

1   16.   (Currently Amended) A method for transmitting page information

2   generated on a server side of a network to a client side of that network, the method comprising:

3   responsive to receiving a request for page information that is not available at the

4   client side, generating a page that reflects the requested information;

5   associating delta page information with the generated page, the delta page

6   information representing differences between the generated page and ~~an other~~a second page, the

7   ~~other~~second page being configured for display on the client responsive to a user input; and

8   transmitting the generated page along with associated delta page information to

9   the client side, wherein the delta configuration information allows the user side to generate the

10   second page, responsive to the user input, using the differences between the generated page and

11   the second page included in the delta configuration page information without having to contact

12   the server side of the configuration system after receiving the delta configuration information

13   and the generated page.

1   17.   (Currently Amended) A method for updating a page on a client side of a

2   network without having to contact a server side of that network, the method comprising:

3   receiving the page from the server side along with delta configuration information

4   associated with the configuration page, the delta configuration information including update

5   information usable to update the page with one or more changes without having to contact the

6   server side of the configuration system;

7   responsive to the client side receiving a user input that is associated with delta

8   page information available at the client side, retrieving the delta page information; and

9   updating the page with a change included in the update information of based on

10   the delta page information, wherein the page is updated without having to contact the server side

11   of the configuration system after receiving the delta configuration information and the

12   configuration page.

1   18.   (Currently Amended) A method for receiving page information on a

2   client side of a network from a server side of that network, the method comprising:

3   responsive to receiving a user input that is not associated with delta page

4   information available at the client side, requesting a new page; and

5   receiving the new page along with delta page information that is associated with

6   the new page;

7   responsive to the user side receiving a user input after receiving the delta

8   configuration information and the new page, retrieving the delta configuration page information

9   without having to contact the server side of the configuration system; and

10   updating the configuration page with a change included in the update information

11   of the delta configuration page information, wherein the configuration page is updated without

12   having to contact the server side of the configuration system after receiving the delta

13   configuration information and the configuration page.

1   19.   (Currently Amended) A computer-readable medium having instructions

2   stored thereon which, when executed by a processor included on a user side of an Internet-based

3   configuration system, cause the processor to perform the steps of:

4   receiving the configuration page from the server side along with delta

5   configuration information associated with the configuration page, the delta configuration

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6   information including update information usable to update the configuration page with one or

7   more changes without having to contact the server side of the configuration system;

8   responsive to the user side receiving a user input that is associated with delta

9   configuration page information available at the user side, retrieving the delta configuration page

10   information; and

11   updating a configuration page with a change included in the update information of

12   based on the delta configuration page information without having to contact a server side of the

13   configuration system, wherein the configuration page is updated without having to contact the

14   server side of the configuration system after receiving the delta configuration information and

15   the configuration page.

1   20.   (Currently Amended) A computer-readable medium having instructions

2   stored thereon which, when executed by a processor included on a server side of an Internet-

3   based configuration system, cause the processor to perform the steps of:

4   generating a configuration page that allows a user to provide input to the

5   configuration system;

6   associating delta configuration page information with the configuration page, the

7   delta configuration information including update information usable by the user side to update

8   the configuration page with one or more changes; and

9   transmitting the configuration page along with the delta configuration page

10   information, wherein the delta configuration information allows the user side to update the

11   configuration page, responsive to the user input, with a change included in the update

12   information of the delta configuration page information without having to contact the server side

13   of the configuration system after receiving the delta configuration information and the

14   configuration page.

1   21.   (Currently Amended) A computer-readable medium having instructions

2   stored thereon which, when executed by a processor included on a user side of an Internet-based

3   configuration system, cause the processor to perform the steps of:

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4   responsive to receiving a user input that is not associated with delta configuration

5   page information available at the user side, requesting a new configuration page; and

6   receiving the new configuration page along with delta configuration page

7   information that is associated with the new configuration page;

8   responsive to the user side receiving a user input that is associated with delta

9   configuration page information available at the user side after receiving the delta configuration

10   information and the configuration page, retrieving the delta configuration page information

11   without having to contact the server side of the configuration system; and

12   updating the configuration page with a change included in the update information

13   of the delta configuration page information, wherein the configuration page is updated without

14   having to contact the server side of the configuration system after receiving the delta

15   configuration information and the configuration page.

1   22.   (Previously Presented) The method of claim 1, wherein the delta

2   configuration page information is available at the user side prior to the user side receiving the

3   user input and the user input is used to retrieve the delta configuration page information.

1   23.   (Previously Presented) The method of claim 1, wherein the delta

2   configuration page information available at the user side is one of a plurality of delta

3   configuration page information available at the user side, each member of the plurality of delta

4   configuration page information being configured for updating the configuration page responsive

5   to one of a plurality of user inputs, the plurality of user inputs including the received user input.

1   24.   (Currently Amended) A page update system for updating a page

2   displayed on a client side of a network without having to contact a server side of that network,

3   the system comprising:

4   means for receiving the page from the server side along with delta page

5   information associated with the page, the delta page information including update information

6   usable to update the page with one or more changes without having to contact the server side of

7   the network;

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8   means for retrieving delta page information available at the client side, responsive

9   to the client side receiving a user input that is associated with the delta page information; and

10   means for updating the page <u>with a change included in the update information of</u>

11   ~~based on~~ the delta page information, <u>wherein the page is updated without having to contact the</u>

12   <u>server side of the network after receiving the delta page information and the page.</u>

1   25.   (Previously Presented) The system of claim 24, further including means

2   for the client side to receive the delta page information from the server side, prior to receiving

3   the user input.

1   26.   (Currently Amended) A method for updating a page on a client side of a

2   network, the method comprising:

3   receiving delta page information on the client side, the delta page information

4   being associated with the page, <u>the delta page information including update information usable to</u>

5   <u>update the page with one or more changes without having to contact a server side of the network;</u>

6   receiving a user input on the client side, after receiving the delta page

7   information;

8   retrieving from the client side the delta page information responsive to the

9   received user input; and

10   updating the page <u>with a change included in the update information of</u> ~~based on~~

11   the retrieved delta page information, <u>wherein the page is updated without having to contact the</u>

12   <u>server side of the configuration system after receiving the delta page information and the</u>

13   <u>configuration page.</u>

1   27.   (Previously Presented) The method of claim 26, wherein the user input is

2   received using the page.

1   28.   (Previously Presented) The method of claim 26, wherein the received

2   delta page information is one of a plurality of delta page information received on the client side,

3   each of the plurality of delta page information being configured for updating the page.

1   29.   (Previously Presented) The method of claim 26, wherein the received delta

2   page information is one of a plurality of delta page information received on the client side, each

3   of the plurality of delta page information being configured for updating the page responsive to

4   one of a plurality of user inputs, the plurality of user inputs including the received user input.

1   30.   (Currently Amended) A method for receiving page information on a

2   client side of a network from a server side of that network, the method comprising:

3   responsive to receiving a user input that is not associated with delta page

4   information available at the client side, requesting a new page;

5   receiving, on the client side, the new page along with delta page information that

6   is associated with the new page, the delta page information including update information usable

7   to update the new page with one or more changes without having to contact the server side of the

8   network;;

9   displaying the new page on the client side;

10   receiving a user input;

11   updating the displayed new page with a change included in the update information

12 of using the delta page information, responsive to the user input, wherein the new page is

13 updated without having to contact the server side of the network after receiving the delta page

14 information and the new page; and

15   displaying the updated new page.

1   31.   (Previously Presented) The method of claim 30, wherein the delta page

2   information is embedded in the received new page.

1   32.   (Canceled)

1   33.   (Previously Presented) The method of claim 31, wherein the delta page

2   information is configured to update a plurality of pages, the new page being included in the

3   plurality of pages.

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1   34.   (Previously Presented) The method of claim 31, wherein the user input is

2   used to select the delta page information from a plurality of delta page information available on

3   the client side.